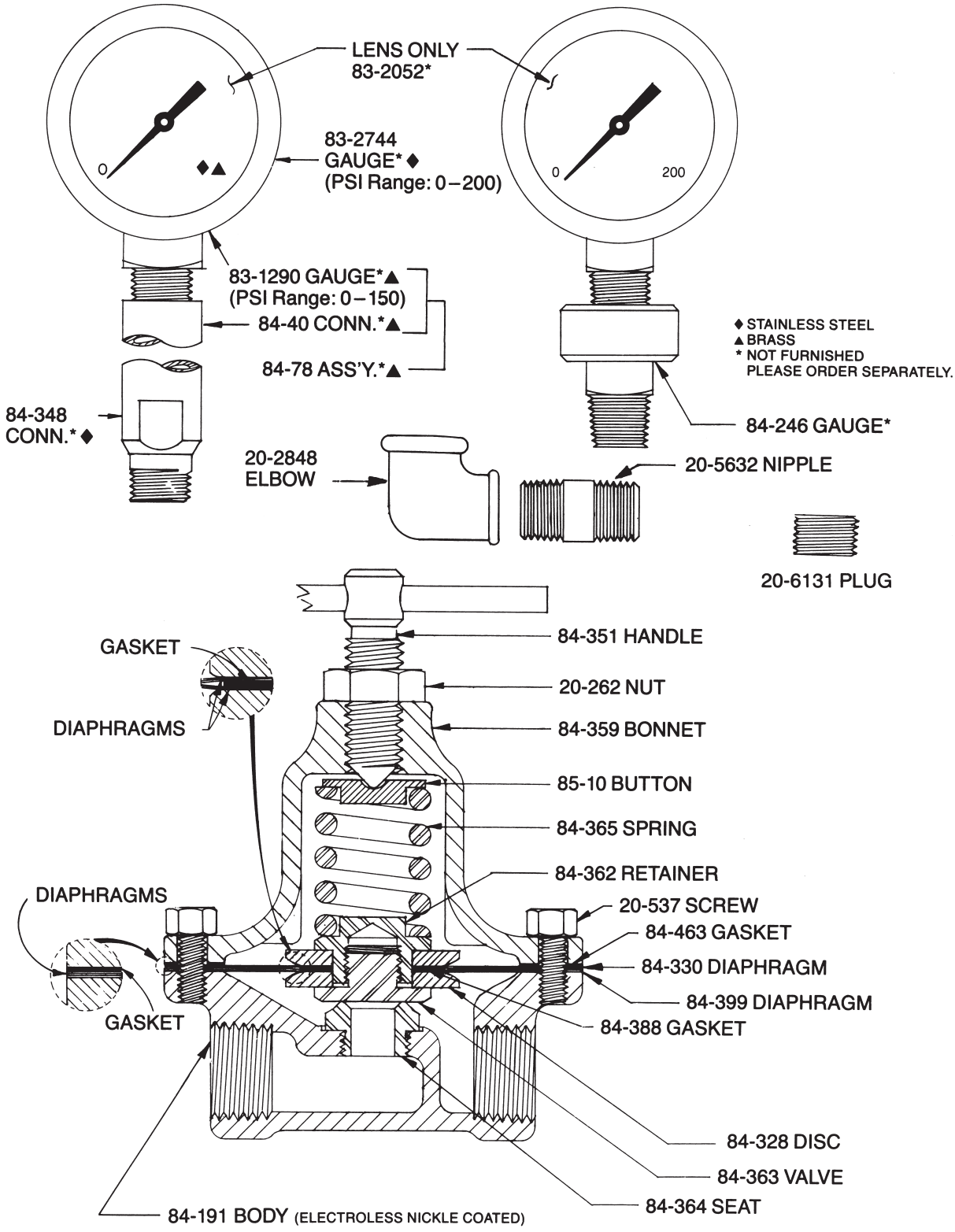
BINKS MODEL 84-501
BACK PRESSURE FLUID VALVE

FLOW COEFFICIENT (CV) = 2.0 MAX.
1/2 NPT(F) INLET AND OUTLET



In this part sheet, the words **WARNING**, **CAUTION** and **NOTE** are used to emphasize important safety information as follows:

⚠ WARNING
Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.

⚠ CAUTION
Hazards or unsafe practices which could result in minor personal injury, product or property damage.

NOTE
Important installation, operation or maintenance information.

⚠ WARNING

Read the following warnings before using this equipment.

READ THE MANUAL
Before operating finishing equipment, read and understand all safety, operation and maintenance information provided in the operation manual.

OPERATOR TRAINING
All personnel must be trained before operating finishing equipment.

EQUIPMENT MISUSE HAZARD
Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in serious injury.

LOCK OUT / TAG-OUT
Failure to de-energize, disconnect, lock out and tag-out all power sources before performing equipment maintenance could cause serious injury or death.

AUTOMATIC EQUIPMENT
Automatic equipment may start suddenly without warning.

PRESSURE RELIEF PROCEDURE
Always follow the pressure relief procedure in the equipment instruction manual.

KEEP EQUIPMENT GUARDS IN PLACE
Do not operate the equipment if the safety devices have been removed.

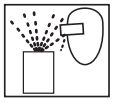
KNOW WHERE AND HOW TO SHUT OFF THE EQUIPMENT IN CASE OF AN EMERGENCY

WEAR SAFETY GLASSES
Failure to wear safety glasses with side shields could result in serious eye injury or blindness.

INSPECT THE EQUIPMENT DAILY
Inspect the equipment for worn or broken parts on a daily basis. Do not operate the equipment if you are uncertain about its condition.

NEVER MODIFY THE EQUIPMENT
Do not modify the equipment unless the manufacturer provides written approval.

NOISE HAZARD
You may be injured by loud noise. Hearing protection may be required when using this equipment.



PROJECTILE HAZARD
You may be injured by venting liquids or gases that are released under pressure, or flying debris.

PINCH POINT HAZARD
Moving parts can crush and cut. Pinch points are basically any areas where there are moving parts.

STATIC CHARGE
Fluid may develop a static charge that must be dissipated through proper grounding of the equipment, objects to be sprayed and all other electrically conductive objects in the dispensing area. Improper grounding or sparks can cause a hazardous condition and result in fire, explosion or electric shock and other serious injury.

WEAR RESPIRATOR
Toxic fumes can cause serious injury or death if inhaled. Wear a respirator as recommended by the fluid and solvent manufacturer's Material Safety Data Sheet.

TOXIC FLUID & FUMES
Hazardous fluid or toxic fumes can cause serious injury or death if splashed in the eyes or on the skin, inhaled, injected or swallowed. LEARN and KNOW the specific hazards or the fluids you are using.

FIRE AND EXPLOSION HAZARD
Improper equipment grounding, poor ventilation, open flame or sparks can cause a hazardous condition and result in fire or explosion and serious injury.

MEDICAL ALERT
Any injury caused by high pressure liquid can be serious. If you are injured or even suspect an injury:

- Go to an emergency room immediately.
- Tell the doctor you suspect an injection injury.
- Show the doctor this medical information or the medical alert card provided with your airless spray equipment.
- Tell the doctor what kind of fluid you were spraying or dispensing.

GET IMMEDIATE MEDICAL ATTENTION
To prevent contact with the fluid, please note the following:

- Never point the gun/valve at anyone or any part of the body.
- Never put hand or fingers over the spray tip.
- Never attempt to stop or deflect fluid leaks with your hand, body, glove or rag.
- Always have the tip guard on the spray gun before spraying.
- Always ensure that the gun trigger safety operates before spraying.

PROP 65 WARNING
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PROVIDE THIS INFORMATION TO THE OPERATOR OF THE EQUIPMENT.
FOR FURTHER SAFETY INFORMATION REGARDING THIS EQUIPMENT, SEE THE GENERAL EQUIPMENT SAFETY BOOKLET (77-5300).

Binks reserves the right to modify equipment specification without prior notice.

INSTRUCTIONS: Binks MODEL 84-501 BACK PRESSURE FLUID VALVE FLOW COEFFICIENT (CV) = 2.0 MAX. 1/2 NPT(F) INLET AND OUTLET

INSTALLATION

1. Install back pressure valve assembly so that arrow underneath valve body points downstream.
2. Tighten inlet and outlet connections securely.
3. Valve may be installed in any position. However, gauge assembly must be upright. Install gauge assembly in either of the two 1/4 NPT outlets.

OPERATION

1. With system in operation, turn 84-351 Handle clockwise until desired back pressure or flow rate is obtained. To reduce back pressure, turn handle counter-clockwise.
2. Tighten 20-262 Nut to lock handle in desired back pressure position.
3. Higher back pressure reduces flow rate. Lower back pressure increases flow rate.
4. If back pressure valve buzzes during or after initial start-up, it means air is in the system. If buzzing continues, reduce back pressure until buzzing ceases then readjust to desired back pressure.

MAINTENANCE

1. Back pressure valve can be serviced without removing valve from line.
2. To replace diaphragms, gaskets, or seats, turn 84-351 Handle counter-clockwise until tension on 84-365 Spring is relieved.
3. Remove 20-537 Screws.
4. To replace diaphragms, or to replace 84-388 Gasket, remove 84-363 Valve.
5. To reassemble, reverse procedure described above. When reassembling, note position sequence of diaphragms and gaskets. The 84-388 Gasket fits between the 84-330 and 84-399 Diaphragms. The diaphragms are located below the 84-463 Gasket. (See enlarged view.)

PARTS LIST

When ordering, please specify Part No.

Part No.	Description	Ind. Parts Req'd.
20-262	HEX NUT, 1/2-13	1
20-537	HEX CAP SCREW, 1/4-20 x 3/4-in. long	6
20-2848	ELBOW	1
20-5632	NIPPLE, 1/4 NPT x 1-1/4 in. long	1
20-6131	PLUG, Stainless Steel	1
83-1290*	GAUGE, 150 PSI, Brass	1
83-2052*	LENS, Gauge Replacement	1
83-2744*	GAUGE, 200 PSI, Stainless Steel	1
84-40*	CONNECTION, Brass	1
84-78*	GAUGE & CONNECTION ASS'Y., Brass	1
84-191	BODY, Electroless Nickel Coated	1
84-246*	GAUGE & DAMPER ASS'Y., 200 PSI	1
84-328	DISC	2

Part No.	Description	Ind. Parts Req'd.
84-330†	DIAPHRAGM, Upper, Nylon	2
84-348*	CONNECTOR, Stainless Steel	1
84-351	HANDLE	1
84-359	BONNET	1
84-362	RETAINER	1
84-363††	VALVE	1
84-364††	SEAT	1
84-365	SPRING	1
84-388†	GASKET, Inner	1
84-399†	DIAPHRAGM, Lower, PTFE	2
84-463†	GASKET, Outer	1
85-10	BUTTON	1

* Not furnished. Please order separately.
† AIso available in Repair Kit 6-1310. Kit not included. Please order separately.
†† AIso available in Repair Kit 6-1311. Kit not included. Please order separately.

WARRANTY POLICY

Binks products are covered by Finishing Brands one year materials and workmanship limited warranty. The use of any parts or accessories, from a source other than Finishing Brands, will void all warranties. For specific warranty information please contact the closest Finishing Brands location listed below.

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USA/Canada
www.binks.com
info@finishingbrands.com
Tel: 1-800-992-4657
Fax: 1-888-246-5732

Mexico
www.finishingbrands.com.mx
sales@finishingbrands.com.mx
Tel: 011 52 55 5321 2300
Fax: 011 52 55 5310 4790

Brazil
www.devilbiss.com.br
sales@devilbiss.com.br
Tel: +55 11 5641 2776
Fax: 55 11 5641 1256

United Kingdom
www.finishingbrands.eu
info@finishingbrands.eu
Tel: +44 (0)1202 571 111
Fax: +44 (0)1202 573 488

France
www.finishingbrands.eu
info@finishingbrands.eu
Tel: +33(0)475 75 27 00
Fax: +33(0)475 75 27 59

Germany
www.finishingbrands.eu
info@finishingbrands.eu
Tel: +49 (0) 6074 403 1
Fax: +49 (0) 6074 403 281

China
www.finishingbrands.com.cn
mkt@finishingbrands.com.cn
Tel: +8621-3373 0108
Fax: +8621-3373 0308

Japan
www.ransburg.co.jp
binks-devilbiss@ransburg.co.jp
Tel: 081 45 785 6421
Fax: 081 45 785 6517

Australia
www.finishingbrands.com.au
sales@finishingbrands.com.au
Tel: +61 (0) 2 8525 7555
Fax: +61 (0) 2 8525 7500

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